

M 5.7, 130 km NNW of Salvacin, Peru

Origin Time: 2021-10-10 00:20:40 UTC (Sat 19:20:40 local)
Location: 11.6892° S 71.6566° W Depth: 10.0 km

Created: 2 weeks, 5 days after earthquake

Estimated Fatalities

Green alert for shaking-related fatalities and economic losses. There is a low likelihood of casualties and damage.



Estimated Economic Losses

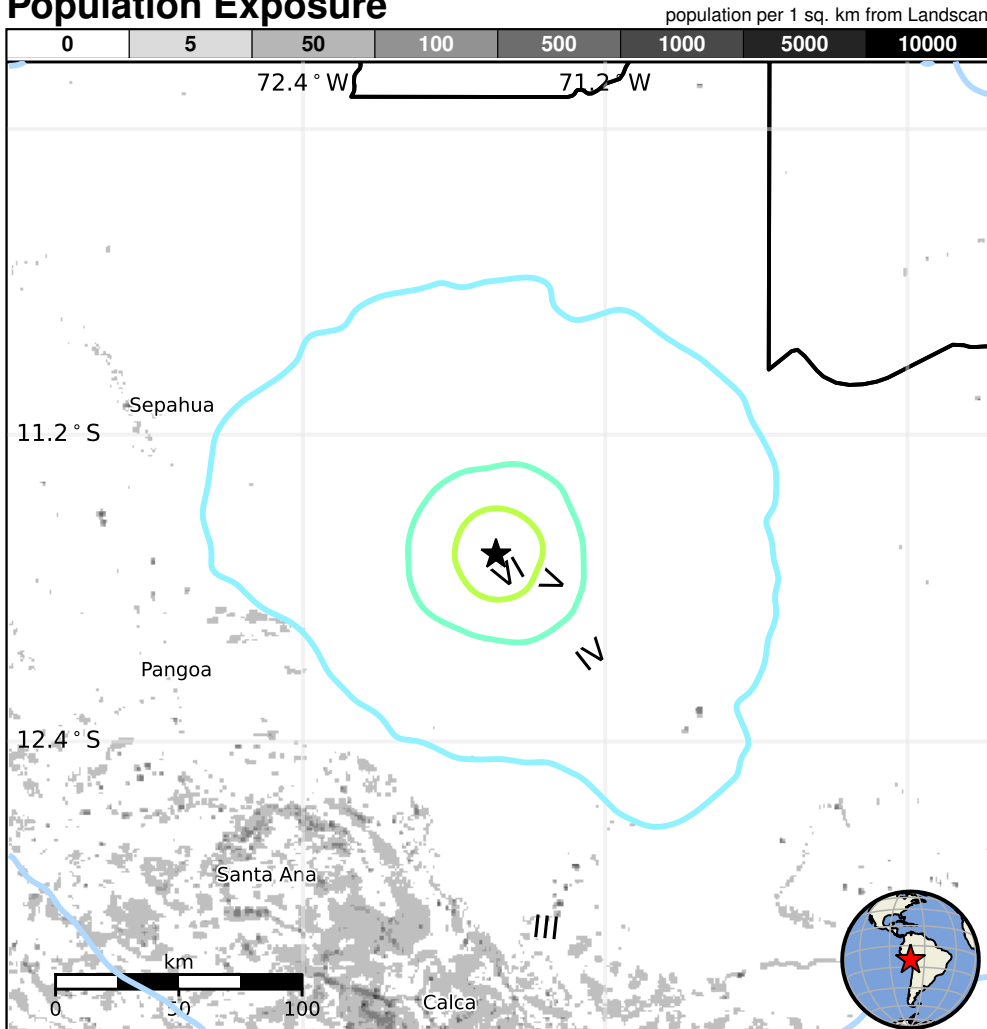


Estimated Population Exposed to Earthquake Shaking

ESTIMATED POPULATION EXPOSURE (k=x1000)	—*	400k*	7k	0	0	0	0	0	0
ESTIMATED MODIFIED MERCALLI INTENSITY	I	II-III	IV	V	VI	VII	VIII	IX	X+
PERCEIVED SHAKING	Not felt	Weak	Light	Moderate	Strong	Very Strong	Severe	Violent	Extreme
POTENTIAL DAMAGE	Resistant Structures	None	None	None	V. Light	Light	Moderate	Mod./Heavy	Heavy
	Vulnerable Structures	None	None	None	Light	Moderate	Mod./Heavy	Heavy	V. Heavy

*Estimated exposure only includes population within the map area.

Population Exposure



Structures

Overall, the population in this region resides in structures that are highly vulnerable to earthquake shaking, though some resistant structures exist. The predominant vulnerable building types are mud wall and reinforced/confined masonry construction.

Historical Earthquakes

Date (UTC)	Dist. (km)	Mag.	Max MMI(#)	Shaking Deaths
1976-05-15	300	6.7	VII(6k)	5
1981-06-22	347	5.8	VII(5k)	6
1981-04-18	334	5.5	VI(193k)	8

Recent earthquakes in this area have caused secondary hazards such as landslides that might have contributed to losses.

Selected City Exposure

from GeoNames.org

MMI	City	Population
III	Sepahua	<1k
III	Pillcopata	<1k
III	Pangoa	7k
III	Quebrada Honda	<1k
III	Quellouno	<1k
III	Echarate	<1k
III	Urubamba	8k
III	Ollantaytambo	2k
III	Santa Ana	25k
III	Calca	9k
III	Pisac	2k

PAGER content is automatically generated, and only considers losses due to structural damage. Limitations of input data, shaking estimates, and loss models may add uncertainty.

<https://earthquake.usgs.gov/earthquakes/eventpage/us6000ftteg#pager>

bold cities appear on map.

(k = x1000)

Event ID: us6000ftteg